

WE CLAIM:

1. A bearing article comprising:
a porous monolithic PTFE material, and
5 at least one polymer resin selected from the group consisting of thermosetting resins and thermoplastic resins distributed within the pores of the PTFE material.
2. The bearing article of claim 1, wherein said at least one polymer resin comprises epoxy.
- 10 3. The bearing article of claim 1, wherein said at least one polymer resin comprises polyimide.
4. The bearing article of claim 1, wherein said PTFE comprises two or more layers.
5. The bearing article of claim 1, wherein said PTFE further includes at
15 least one filler.
6. The bearing article of claim 1, in the form of a sheet.
7. The bearing article of claim 1, in the form of a tube.
8. The bearing article of claim 1, wherein said article further comprises a pressure sensitive adhesive bonded to said article.
- 20 9. The bearing article of claim 1, further comprising at least one substrate bonded to said article.
10. The bearing article of claim 9, wherein said at least one substrate comprises at least one material selected from the group consisting of metal and epoxy.
- 25 11. A bearing article comprising:
a porous monolithic PTFE material, and
at least one wear resistant polymer resin distributed within the pores of the PTFE material.
12. The bearing article of claim 11, wherein said at least one polymer resin
30 comprises epoxy.
13. The bearing article of claim 11, wherein said at least one polymer resin comprises polyimide.
14. The bearing article of claim 11, wherein said PTFE material comprises two or more layers of PTFE.
- 35 15. The bearing article of claim 11, wherein said PTFE further includes at least one filler.

16. The bearing article of claim 11, in the form of a sheet.
17. The bearing article of claim 11, in the form of a tube.
18. The bearing article of claim 11, wherein said article further comprises a pressure sensitive adhesive bonded to said article.
- 5 19. The bearing article of claim 11, further comprising at least one substrate bonded to said article.
20. The bearing article of claim 19, wherein said at least one substrate comprises at least one material selected from the group consisting of metal and epoxy.
- 10 21. A bearing article comprising:
 - a composite comprising porous monolithic PTFE material, and at least one polymer resin selected from the group consisting of thermoset resins and thermoplastic resins distributed within the pores of the PTFE material; and
 - a substrate bonded to said composite.
- 15 22. The bearing article of claim 21 in the form of a wear-resistant surface.
23. The bearing article of claim 21, in the form of a bearing.
24. The bearing article of claim 21, in the form of a washer.
25. The bearing article of claim 21, in the form of a clutch.
26. The bearing article of claim 21, in the form of a tensioning device.
- 20 27. The bearing article of claim 21, wherein said at least one polymer resin comprises an epoxy.
28. The bearing article of claim 21, wherein said at least one polymer resin comprises a polyimide.
29. The bearing article of claim 21, wherein said PTFE comprises two or
- 25 more layers of PTFE.
30. The bearing article of claim 21, wherein said PTFE further includes at least one filler.
31. The bearing article of claim 21, in the form of a sheet.
32. The bearing article of claim 21, in the form of a tube.
- 30 33. A method of forming a bearing material comprising:
 - providing a porous, monolithic PTFE material;
 - imbibing at least a portion of the pores within the PTFE material with at least one polymer resin selected from the group consisting of thermosetting resins and thermoplastic resins;
 - 35 curing said at least one polymer resin; and
 - forming said imbibed PTFE material into a bearing.

34. The method of claim 33, further comprising bonding said imbibed PTFE material to a substrate.